



**BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH**

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IN THE MATTER OF THE	)	
APPLICATION OF PACIFICORP	)	Docket No. 03-2035-02
FOR APPROVAL OF ITS	)	
PROPOSED ELECTRIC RATE	)	DIRECT TESTIMONY
SCHEDULES & ELECTRIC	)	OF WILLIAM R. GRIFFITH
SERVICE REGULATIONS	)	

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**SEPTEMBER 2003**

1    **Q.     Please state your name.**

2    A.     My name is William R. Griffith.

3    **Q.     What is your business address and by whom are you employed?**

4    A.     My business address is 825 NE Multnomah Street, Portland, Oregon. I am employed  
5           by PacifiCorp (Company), the parent company of Utah Power & Light Company.

6    **Qualifications**

7    **Q.     What is your position with PacifiCorp, and what are your responsibilities?**

8    A.     My current position is Director, Pricing & Regulatory Operations, in the Regulation  
9           Department. I am responsible for the development of regulated retail prices in  
10          PacifiCorp's six state service territory.

11   **Q.     What is your educational and professional background?**

12   A.     I have a B.A. degree with High Honors and distinction in Political Science and  
13          Economics from San Diego State University and an M.A. in Political Science from  
14          that same institution; I was subsequently employed on the faculty. I attended the  
15          University of Oregon and completed all course work towards a Ph.D. in Political  
16          Science. I joined the Company in the Rates & Regulation Department in December  
17          1983. In June 1989, I became Manager, Pricing in the Regulation Department. In  
18          February, 2001, I assumed my present responsibilities.

19   **Q.     Have you appeared as a witness in previous regulatory proceedings?**

20   A.     Yes. I have testified for the Company in regulatory proceedings in Utah, Oregon,  
21          Wyoming, Washington, and California.

1 **Purpose of Testimony**

2 **Q. What is the purpose of your testimony?**

3 A. The purpose of my testimony is to address the Company's proposed rate spread in this  
4 case and to propose price changes for the affected rate schedules.

5 **Q. Please describe PacifiCorp's pricing objectives in this case.**

6 A. The Company's pricing objectives in this case are to implement the 14.3 percent  
7 overall price increase in such a way as to minimize customer impacts while giving  
8 customers proper price signals concerning summer usage in Utah. In addition, the  
9 Company proposes to implement, consistent with paragraph 15 of the Test Period and  
10 Scheduling Stipulation (Stipulation) in this docket, a surcharge to cover the period  
11 January through March 2004 by utilizing the billing determinants from the historic  
12 test period for the period January through March 2003. Consistent with the  
13 Stipulation, rates are proposed to become effective April 2004.

14 **Q. How does the Company propose to implement its rate spread?**

15 A. Based on the results of Mr. Taylor's cost of service study, the Company proposes to  
16 allocate the price increase to customers on an equal percentage basis across customer  
17 classes. In addition, the Company proposes a number of changes to rate design for  
18 some of the affected schedules that we believe will send clearer price signals to  
19 customers.

20 **Q. Please describe Exhibit UP&L\_\_\_(WRG-1).**

21 A. Exhibit UP&L\_\_\_(WRG-1) details the Company's proposed changes to class revenue  
22 requirements to be implemented in this case. On an overall basis, based on the 12  
23 month test period ending March 2003, these revisions produce a 14.3 percent base

1 price increase in Utah. On a net basis, including the effect of the removal of present  
2 Schedule 95 and the inclusion of the proposed surcharge adjustment, Schedule 96, the  
3 proposed overall net price increase is 13.4 percent.

4 **Q. Please describe Exhibit UP&L\_\_\_(WRG-2).**

5 A. Exhibit UP&L\_\_\_(WRG-2) contains the Company's proposed revised tariffs in this  
6 case.

7 **Q. Please describe the Company's proposal for the allocation of the revenue**  
8 **requirement.**

9 A. The Company proposes the following allocation of the price increase for the major  
10 customer classes.

<u>Customer Class</u>	<u>Proposed Price Change</u>
Residential	14.3%
General Service	
Schedule 23	14.3%
Schedule 6	14.3%
Schedule 9	14.2%
Irrigation	14.2%
Lighting	14.3%

19  
20 **Q. What is the net impact of the proposed price change after including the effect of**  
21 **the proposed temporary surcharge, Schedule 96, along with the removal of**  
22 **current Schedule 95?**

23 A. The net impact is as follows:

<u>Customer Class</u>	<u>Proposed Price Change</u>
Residential	13.1%
General Service	
Schedule 23	13.9%
Schedule 6	13.6%
Schedule 9	13.6%
Irrigation	10.4%
Lighting	13.7%

1     **Q.     Given that the base rate spread is uniform across customer classes, why does the**  
2     **net rate increase vary by customer class?**

3     A.     The net rate spread varies due to load seasonality for some customer classes. In  
4     particular, irrigation sees only a small effect from the proposed surcharge because  
5     irrigation load from January through March of the test period (upon which the  
6     proposed surcharge is based) is extremely low; thus, the net rate increase for irrigation  
7     is lower than average. Other customer classes also display mild seasonality which is  
8     captured in the surcharge and affects the net rate spread.

9     **Q.     Including the effects of the Company's proposal, how have the Company's**  
10    **proposed rates in Utah changed over time?**

11    A.     If the proposed price changes are approved effective April 2004, the Company's Utah  
12    overall average rate per kWh will be lower than the overall average rate twenty years  
13    ago.

14    **Q.     What will be the effect of the planned termination of the one year Schedule 96**  
15    **surcharge in April 2005?**

16    A.     The termination of the surcharge will result in an overall price reduction to Utah  
17    customers of approximately 2.7 percent in April 2005.

18    **Q.     Does the Company propose price changes for any other customer?**

19    A.     Not at this time. However, depending on the results of the recommendations of the  
20    Division of Public Utilities' October 31, 2003 report "comparing results of operations  
21    with anticipated benefits and recommendations on appropriate terms and conditions  
22    of service" for US Magnesium LLC, a price change proposal may be forthcoming  
23    later.

1     **Residential Price Design**

2     **Q.     Please describe the Company's proposed residential price design changes.**

3     A.     In the last case, the Company implemented a two-block inverted residential energy  
4           charge for the months May through September. In this case, the Company proposes  
5           to revise the inverted rate from two blocks to three blocks and to expand the period it  
6           is in effect from five months to six months.

7     **Q.     Please explain the development of the Company's proposed residential price**  
8           **design changes.**

9     A.     During the preparation of this case, the Company held two meetings with interested  
10           parties including representatives from the Division of Public Utilities, the Committee  
11           of Consumer Services, the Office of Energy, Crossroads Urban Center, Western  
12           Resource Advocates, and the Southwest Energy Efficiency Project, to discuss  
13           residential price design issues. The main issues concerned ways to control summer  
14           usage while minimizing bill impacts. While a number of different viewpoints were  
15           addressed, a common theme emerged for the need to add a third block to the  
16           residential inverted energy charge. Based on these discussions, the Company  
17           proposes to add a third energy block for all usage in excess of 1,000 kWh. This block  
18           is proposed to be priced at 10 cents per kWh. The proposed three-block inverted rate  
19           would be in effect from April through September.

20    **Q.     What are the benefits of this proposal?**

21    A.     This proposal has a number of benefits. First, it gives customers a strong message  
22           that high summer usage carries much higher cost. As demonstrated by Mr. Taylor, the  
23           10 cents/kWh tailblock rate is cost-based. Second, because of the higher third block

1 price, usage up to 1,000 kWh will be priced lower than it would otherwise be; this  
2 will reduce price impacts on smaller users. Third, in the same way, winter usage will  
3 be priced lower for all residential customers than it would otherwise be because of the  
4 higher third block summer usage charge. Fourth, expanding the inverted rate from  
5 five months to six months, and having it start earlier in the season will produce a  
6 clearer price signal by firmly establishing the rate prior to the summer season. This  
7 will give customers a clearer signal of higher costs for high usage in time for the  
8 critical summer peak period.

9 **Q. Please describe the proposed inverted rate.**

10 A. The inverted rate would apply for the months April through September. During those  
11 months, excluding the effects of the proposed surcharge, the proposed inverted  
12 residential rate would increase the current base energy charge for all usage up to 400  
13 kWh per month from 6.3029 cents/kWh to 7.0102 cents/kWh; for all usage in excess  
14 of 400 kWh per month to 1,000 kWh from 7.0866 cents/kWh to 7.8818 cents/kWh,  
15 and for all usage greater than 1,000 kWh from 7.0866 cents/kWh to 10.00 cents/kWh.  
16 In the October through March time period the present flat residential rate would  
17 increase from 6.3029 cents/kWh to 7.0102 cents/kWh.

18 **Q. How will the proposed inverted residential rate design impact customers?**

19 A. Exhibit UP&L\_\_\_\_(WRG-3) contains customer impact summaries for the Company's  
20 proposed tariff revisions. For the proposed inverted residential rate in the April  
21 through September time frame, excluding the effects of the proposed surcharge,  
22 customer increases would be well below the class average, ranging from 7.6 percent  
23 to 9.6 percent for usage from 50 to 400 kWh per month. Usage from 400 to 1,000



1 kWh would also see price increases well below the class average, ranging up to 9.9  
2 percent. Usage beyond 1,000 and up to 3,000 kWh per month would see increases  
3 ranging from 12.7 percent to 30 percent. Usage beyond 3,000 kWh would see larger  
4 increases. This inverted rate will produce less-than-class-average increases for the  
5 average Utah residential customer while giving all customers additional price signals  
6 that reducing usage will result in substantial savings.

7 At the same time, for the October through March time frame, Exhibit  
8 UP&L\_\_\_\_(WRG-3) shows that all residential customers will see price increases well  
9 below the class average.

10 **Q. Does the Company propose any changes to the residential customer charge or**  
11 **minimum bill in this case?**

12 A. No. The Company does not propose any changes to the current Customer Charge or  
13 the minimum bill in this case.

14 **Q. How does the Company propose to implement the price change for Schedule 25,**  
15 **Mobile Home and House Trailer Park Service?**

16 A. The Company proposes to increase the demand and energy charges roughly equally in  
17 order to recover the overall price change.

#### 18 **Residential Time of Use Experiment**

19 **Q. Does the Company propose any changes to the current optional residential time**  
20 **of use rate (Schedule 2)?**

21 A. Yes. The Company proposes that a new optional, experimental time of use rate for  
22 residential customers (TOD Program) replace present Schedule 2.

1     **Q.     Please explain.**

2     A.     Time of use pricing may play an important role in reducing peak demand in Utah.  
3           The current residential time of use option has had consistently low customer  
4           participation. In the test period, only twelve customers were served on present  
5           Schedule 2. The Company is looking to increase customer participation and to learn  
6           more about the impacts and the effectiveness of time of use residential pricing. The  
7           Company proposes an experimental time-of-use tariff to replace existing Schedule 2,  
8           with enrollment limited to 1,000 customers.

9     **Q.     Please describe the TOD Program.**

10    A.     The TOD Program will have seasonal time of use periods. The on-peak period will  
11           be 1PM to 9PM Monday through Friday from April through September, and 7AM to  
12           11 PM, Monday through Friday, during the October through March period. This  
13           corresponds with the summer “super peak” period, along with the traditional broader  
14           on-peak period during other times of the year.

15           The TOD Program, proposed Schedule 2, is a rider to standard residential  
16           Schedule 1. It is designed to work in conjunction with the standard residential rate by  
17           applying on-peak charges and off-peak credits to the customer’s standard residential  
18           bill. The sum of these on-peak charges and off-peak credits are designed to be  
19           revenue neutral for a customer with an average residential load profile. Customers  
20           will benefit when they shift a greater percentage of their usage to off-peak periods  
21           than the average residential customer. Similarly, they will pay more when they shift a  
22           greater proportion of their usage to on-peak periods than the typical residential  
23           customer.

1    **Q.     Please provide an example.**

2    A.     Exhibit UP&L\_\_\_\_(WRG-5) contains an example of three customers (average user,  
3           on-peak user, off-peak user) who each use 1,410 kWh. In each case, these customers'  
4           standard residential charges are identical. However, once the Schedule 2 time of use  
5           surcharges and surcredits are applied, the off-peak user has a lower bill than the  
6           standard residential bill, while the on-peak user has a higher bill. The average user's  
7           bill is equal to the standard residential bill.

8    **Q.     How were the surcharges and surcredits designed?**

9    A.     The Schedule 2 time of use surcharge and surcredits were designed to be revenue  
10          neutral for a customer with a typical load profile based on the Company's load  
11          research data. They were also designed to be easy to understand and limit volatility as  
12          much as possible. For example, the proposed off-peak credit is constant year-round in  
13          order to maintain simplicity. Exhibit UP&L\_\_\_\_(WRG-6) contains workpapers  
14          showing the development of the charges.

15   **Q.     Why is the program proposed to be limited to 1,000 customers?**

16   A.     The enrollment cap is proposed in order to limit the potential revenue effects of free  
17          riders.

18   **Q.     What are free riders?**

19   A.     Free riders occur any time an optional rate is offered where customers enroll who  
20          naturally benefit from the rate without making any change in behavior. While free  
21          riders are unavoidable, since this experimental program is designed to give signals to  
22          customers to change usage patterns, the Company proposes to limit enrollments in  
23          order to assess the effects of usage changes and free riders while minimizing revenue

1 exposure.

2 The Company believes the proposed residential TOD Program is a positive  
3 step toward more time sensitive prices for residential customers, and we look forward  
4 to working with interested parties in assessing the effectiveness of the program.

5 **General Service & Irrigation Prices**

6 **Q. Please describe the Company's proposed price design changes for commercial,**  
7 **industrial and irrigation customers.**

8 A. To implement the price change, the Company proposes increases to both demand and  
9 energy charges for Rate Schedule 23. For Schedules 6 and 10 the Company proposes  
10 to apply the price increase primarily to demand charges in order to provide signals to  
11 customers to reduce peak demands. These changes are indicated in the affected tariffs  
12 in Exhibit UP&L\_\_\_\_(WRG-2).

13 **Schedule 9**

14 **Q. What does the Company propose for Schedule 9?**

15 A. The Company proposes to implement on-peak period demand pricing for Schedule 9  
16 customers.

17 **Q. Please describe the on-peak period demand pricing proposed for Schedule 9.**

18 A. The Company proposes to break out the Power Charge in present Schedule 9 into two  
19 components—an on-peak period demand charge and a facilities charge. The on-peak  
20 period demand charge would be computed based on the maximum demand in the  
21 month during the on-peak period. A demand charge would not be applied during  
22 other periods. The on-peak period is April-September, Monday through Friday from  
23 1PM to 9PM, and October-March, Monday through Friday, from 7AM to 11 PM.

1 These periods correspond broadly with the Utah “super peak” period during April-  
2 September and the standard, system-wide on-peak period during October-March. At  
3 the same time these broad periods reduce price volatility and bill fluctuations.

4 The second charge, the facilities charge, would be based on the maximum monthly  
5 kW demand regardless of the time of day. It would be assessed primarily to recover  
6 the cost of facilities to serve Schedule 9 customers.

7 **Q. What are the benefits of proposed Schedule 9?**

8 A. Proposed Schedule 9 is a gradual first step in implementing time of use pricing for all  
9 of Utah Power’s largest customers. It will allow large customers to benefit by shifting  
10 load to off-peak periods and offers savings to those who do. At the same time, those  
11 who do not shift will not be unduly impacted. For example, under proposed Schedule  
12 9, a high load factor customer that does not shift any load to the off-peak period  
13 would see a smaller price increase than the class average for Schedule 9. This  
14 proposal allows gradual movement toward time of day pricing without resulting in  
15 large impacts on important industries and the economy of the State of Utah.

16 **Q. How does the Company propose to implement the base rate change for Schedule**  
17 **9?**

18 A. The Company proposes to apply the price change to the on-peak period demand  
19 charge. No change is proposed to the base energy charge. This will send strong  
20 signals to customers to limit peak demand requirements, while customers who shift  
21 loads to off-peak periods can see price reductions over rates in effect today.

1     **Q.     Are metering additions required in order to implement this change for Schedule**  
2           **9 customers?**

3     A.     Metering additions will be required for some Schedule 9 customers; however, most  
4           Schedule 9 customers currently have meters capable of registering Time of Day  
5           demand differentials and metering additions will not be required.

6     **Q.     Does the Company have this type of rate design in effect in any other states?**

7     A.     Yes. The Company presently has on-peak period demand charges for Large General  
8           Service customers in Wyoming, Washington, and California.

9     **Q.     What does the Company propose for the optional time of use schedules currently**  
10          **in effect-- Schedules 9A and 9B?**

11    A.     The Company proposes that Schedule 9A be closed to new service and that customers  
12          currently on Schedule 9B be served on proposed Schedule 9.

13    **Q.     Why does the Company propose to eliminate time of day options for Schedule 9**  
14          **going forward?**

15    A.     Given that proposed Schedule 9 would have TOD pricing, we do not feel it is  
16          appropriate to offer other TOD options. As discussed earlier in my testimony, pricing  
17          options produce free riders who benefit simply by switching schedules rather than  
18          modifying their usage profiles, while other customers in the same class, who if they  
19          switched would pay more, do not. Free riders produce no system benefit in terms of  
20          load reduction to benefit other customers, but they do receive a price benefit—a  
21          shortfall which must be made up by all other customers. The proposed on-peak  
22          period demand pricing for Schedule 9 customers eliminates these problems and gives  
23          clear TOD price signals to all Schedule 9 customers.

1     **Q.     Why does the Company propose to allow existing customers to remain on**  
2           **Schedule 9A?**

3     A.     The Company proposes to allow the nine customers currently served on Schedule 9A  
4           to remain on it in order to mitigate the bill impacts on these customers. Transferring  
5           these customers to proposed Schedule 9 would produce an increase in excess of 50  
6           percent for these customers. This amount is far in excess of the average increase  
7           proposed in this case and is not consistent with the Company's proposed rate spread.  
8           Moreover, closing Schedule 9A to new service is consistent with the approach used  
9           by the Commission in other cases when customers have been migrated to new rate  
10          schedules.

11    **Q.     Why did the Company propose on-peak period demand pricing for Schedule 9**  
12          **and not for Schedule 6 customers?**

13    A.     The Company did not propose similar on-peak period demand pricing for Schedule 6  
14          customers at this time because most of the 12,000 Schedule 6 customers currently do  
15          not have time of day metering capability. In contrast, most Schedule 9 customers  
16          currently have time of day metering capability.

17    **Schedule 96 Surcharge**

18    **Q.     Please explain how the proposed Schedule 96 surcharges were determined.**

19    A.     In the Stipulation, the Company agreed to develop the surcharge to cover the period  
20          January through March 2004 by utilizing the billing determinants from the historic  
21          test period for the period January through March 2003. To this end, the proposed  
22          prices in this case were applied to billing determinants for this three month period to  
23          determine the revenues to be collected for each class. A surcharge for each schedule

1 was then designed which, when applied to non-customer charge revenues generated  
2 by the proposed rates applied to the billing determinants for the full twelve month test  
3 period, leads to the proper surcharge revenues. This mechanism is consistent with the  
4 method used to collect revenues for the expiring Schedule 95, Surcharge Adjustment.

5 **Q. Please describe Exhibit UP&L\_\_\_(WRG-7).**

6 A. Exhibit UP&L\_\_\_(WRG-7) details the changes to class revenues for the proposed  
7 surcharge based on the three months ending March 2003 resulting from application of  
8 the proposed rates.

9 **Q. Please explain Exhibit UP&L\_\_\_(WRG-8).**

10 A. Exhibit UP&L\_\_\_(WRG-8) details the billing determinants for the three months  
11 ending March 2003 used in the development of the proposed Schedule 96 Surcharge.

## 12 **Other Changes**

13 **Q. How does the Company propose to implement the price change for lighting**  
14 **customers?**

15 A. The Company designed the price change for lighting customers by applying a  
16 percentage increase to the current rate to achieve the proposed overall revenue  
17 change.

## 18 **Closing Schedule 7 to New Service**

19 **Q. What change are you proposing to make to Schedule 7?**

20 A. The Company is proposing to close Schedule 7, Area Lighting Service, to new  
21 service.

22 **Q. Why is the Company proposing this change?**

23 A. The Company is proposing to discontinue its Schedule 7 Area Lighting Service for



1 new customers because these services are readily available from other suppliers.  
2 Customers currently on Schedule 7 would continue to receive service under Schedule  
3 7. Area lighting services are readily available from electricians, home improvement  
4 stores, and various other outlets. Closing this schedule to new service will eventually  
5 phase out the Company's involvement with area lights which are readily available in  
6 the marketplace to customers from suppliers other than the Company. This will  
7 eventually eliminate the need for the Company to warehouse area lights and handle  
8 the administrative costs that are involved with area lights. Area lighting schedules  
9 have been closed to new customers in Oregon, Washington, and California for some  
10 time.

11 **Eliminate Schedule 33**

12 **Q. Does the Company propose any other changes?**

13 A. Yes. The Company proposes to eliminate Schedule 33, Generation Replacement  
14 Service. This tariff offered market-priced power and energy from the Company to  
15 customers who were willing to curtail their on-site generation. There are no customers  
16 currently on this schedule, nor have there been since January 1999. The Company  
17 believes it is now appropriate to terminate Schedule 33.

18 **Customer Impact Summaries**

19 **Q. Please explain Exhibit UP&L\_\_\_\_(WRG-3).**

20 A. As referenced earlier, Exhibit UP&L\_\_\_\_(WRG-3) details the customer impacts of the  
21 Company's proposed pricing changes. For each rate schedule, it shows two monthly  
22 billing comparisons—one comparing prices in effect prior to the interim rate  
23 adjustment against the Company's proposed prices, and a second comparison

1 including the effects of the interim rate adjustment against the Company's proposed  
2 prices. It also shows the dollar and percentage change in monthly bills for various  
3 load and usage levels.

4 **Billing Determinants**

5 **Q. Please explain Exhibit UP&L\_\_\_(WRG-4).**

6 A. Exhibit UP&L\_\_\_(WRG-4) details the billing determinants used in preparing the  
7 pricing proposals in this case. It shows billing quantities and prices at present (T44)  
8 rates and proposed (T45) rates.

9 **Q. Does this conclude your testimony?**

10 A. Yes, it does.



PacifiCorp  
Exhibit UP&L \_\_\_\_\_(WRG-1)  
Docket No. 03-2035-02  
Witness: William R. Griffith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

PACIFICORP

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Exhibit Accompanying Direct Testimony of William R. Griffith  
Estimated Effect of Proposed Changes on Revenues  
Normalized 12 Months Ended March 2003

September 2003

TABLE A

**Utah Power & Light Company**  
**Estimated Effect of Proposed Changes**  
**on Revenues from Electric Sales to Ultimate Consumers in Utah**  
**Normalized 12 Months Ended March 2003**

Line No.	Description (1)	Present Tariff Schedule Number (2)	Proposed Tariff Schedule Number (3)	Average No. of Customers (4)	Total KWH <sup>2</sup> (000) (5)	Present Revenues (\$000) <sup>2</sup>			Proposed Revenues (\$000) <sup>2</sup>			Base Change			Net Change			Line No.
						Present Revenues (6)	Shareage Adjustment (7)	Net (8)	Proposed Revenues (9)	Shareage Adjustment (10)	Net (11)	Amount (12)	Percent (13)	Amount (14)	Percent (15)	Amount (16)	Percent (17)	
1	<b>Residential</b>																	
2	Residential-Optical TOD	1	1	612,272	5,168,637	\$ 341,539	\$ 12,108	\$ 333,647	\$ 390,209	\$ 9,648	\$ 399,858	\$ 48,670	14.25%	\$ 9,416	13.07%	\$ 46,211	13.07%	1
3	Residential-Mobile Homes	2	2	117	1,117	\$ 9	\$ 0	\$ 9	\$ 8	\$ 0	\$ 9	\$ 1	-5.70%	\$ (1)	-6.52%	\$ (1)	-6.52%	2
4	AGA	25	25	81	10,229	\$ 572	\$ 20	\$ 592	\$ 653	\$ 21	\$ 675	\$ 81	14.25%	\$ 81	13.95%	\$ 83	13.95%	3
5	Total Residential			612,365	5,179,383	\$ 342,177	\$ 12,129	\$ 334,306	\$ 390,928	\$ 9,670	\$ 400,599	\$ 48,751	14.25%	\$ 9,413	13.07%	\$ 46,293	13.07%	4
6	<b>Commercial &amp; Industrial<sup>1</sup></b>																	5
7	General Service-Distribution	6	6	11,365	6,429,539	\$ 321,899	\$ 11,371	\$ 333,270	\$ 367,769	\$ 10,672	\$ 378,441	\$ 45,870	14.25%	\$ 7,134	13.54%	\$ 45,171	13.54%	6
8	General Service-Distribution-Energy TOD	6A	6A	1,474	189,892	\$ 12,984	\$ 458	\$ 13,442	\$ 14,835	\$ 493	\$ 15,328	\$ 1,886	14.25%	\$ 974	14.03%	\$ 1,081	14.03%	7
9	General Service-Distribution-Demand TOD	6B	6B	25	13,809	\$ 760	\$ 27	\$ 787	\$ 873	\$ 25	\$ 898	\$ 113	14.83%	\$ 81	14.13%	\$ 111	14.13%	8
10	Subtotal Schedule 6			12,863	6,633,240	\$ 335,643	\$ 11,856	\$ 347,499	\$ 383,476	\$ 11,191	\$ 394,667	\$ 47,833	14.25%	\$ 7,211	13.57%	\$ 47,168	13.57%	9
11	General Service-High Voltage	9	9	154	3,457,449	\$ 111,712	\$ 3,975	\$ 115,687	\$ 127,604	\$ 3,732	\$ 131,336	\$ 15,892	14.25%	\$ 15,892	13.53%	\$ 15,650	13.53%	10
12	General Service-High Voltage-Energy TOD	9A	9A	3	25,493	\$ 1,714	\$ 61	\$ 1,775	\$ 1,938	\$ 72	\$ 2,009	\$ 244	14.25%	\$ 244	14.41%	\$ 256	14.41%	11
13	General Service-High Voltage-Demand TOD	9B	9B	3	25,493	\$ 760	\$ 27	\$ 787	\$ 873	\$ 25	\$ 898	\$ 113	16.31%	\$ 122	13.53%	\$ 122	13.53%	12
14	Subtotal Schedule 9			166	3,510,131	\$ 114,191	\$ 4,062	\$ 118,253	\$ 130,452	\$ 3,828	\$ 134,280	\$ 16,261	14.24%	\$ 16,261	13.55%	\$ 16,027	13.55%	13
15	Irrigation	10	10	2,053	183,301	\$ 7,780	\$ 277	\$ 8,057	\$ 8,889	\$ 5	\$ 8,894	\$ 1,109	14.25%	\$ 889	10.39%	\$ 837	10.39%	14
16	Irrigation-Time of Day	10TOD	10TOD	228	13,912	\$ 594	\$ 21	\$ 615	\$ 677	\$ 0	\$ 677	\$ 82	13.85%	\$ 82	10.10%	\$ 62	10.10%	15
17	Subtotal Irrigation			228	197,214	\$ 8,374	\$ 298	\$ 8,672	\$ 9,566	\$ 6	\$ 9,571	\$ 1,191	14.22%	\$ 1,191	10.37%	\$ 899	10.37%	16
18	Electric Farming	21	21	5	2,410	\$ 248	\$ 9	\$ 257	\$ 282	\$ 9	\$ 291	\$ 34	13.62%	\$ 34	13.23%	\$ 34	13.23%	17
19	General Service-Distribution-Small	23	23	57,846	1,010,311	\$ 66,177	\$ 2,323	\$ 68,442	\$ 75,539	\$ 2,398	\$ 77,937	\$ 9,422	14.25%	\$ 9,422	13.87%	\$ 9,495	13.87%	18
20	Back-up, Maintenance, & Supplementary	31	31	2	1,826,185	\$ 17,177	\$ 6	\$ 17,183	\$ 17,183	\$ 7	\$ 17,190	\$ 25	14.25%	\$ 25	14.57%	\$ 26	14.57%	19
21	Special Contracts			4		\$ 54,308	\$ -	\$ 54,308	\$ 54,308	\$ -	\$ 54,308	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	20
22	AGA					\$ 1,722	\$ -	\$ 1,722	\$ 1,722	\$ -	\$ 1,722	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	21
23	Total Commercial & Industrial			73,167	13,195,091	\$ 580,776	\$ 18,556	\$ 599,332	\$ 655,542	\$ 17,439	\$ 672,981	\$ 74,766	12.87%	\$ 65,666	12.29%	\$ 73,649	12.29%	22
24	Total Commercial & Industrial (excluding contracts, AGA)			73,163	11,368,206	\$ 524,747	\$ 18,556	\$ 543,302	\$ 599,512	\$ 17,439	\$ 616,951	\$ 74,766	14.25%	\$ 65,716	13.56%	\$ 73,649	13.56%	23
25	<b>Public Street Lighting</b>																	24
26	Street Lighting - Customer Owned	7	7	10,610	15,069	\$ 2,482	\$ 88	\$ 2,569	\$ 2,836	\$ 88	\$ 2,924	\$ 354	14.25%	\$ 2,569	13.79%	\$ 354	13.79%	25
27	Street Lighting - Customer Owned	11	11	2,014	2,014	\$ 17	\$ 17	\$ 17	\$ 17	\$ 17	\$ 17	\$ 17	0.00%	\$ 17	0.00%	\$ 17	0.00%	26
28	Street Lighting - Customer Owned	12	12	1,220	26,718	\$ 1,839	\$ 75	\$ 1,914	\$ 2,063	\$ 75	\$ 2,138	\$ 276	14.25%	\$ 276	13.81%	\$ 276	13.81%	27
29	Metered Outdoor Lighting	12	12	2,013	12,839	\$ 643	\$ 25	\$ 668	\$ 734	\$ 22	\$ 756	\$ 93	14.25%	\$ 93	13.68%	\$ 93	13.68%	28
30	Decorative Street Lighting	13	13	82	4,609	\$ 193	\$ 8	\$ 201	\$ 220	\$ 8	\$ 228	\$ 27	14.25%	\$ 27	13.49%	\$ 27	13.49%	29
31	Subtotal Public Street Lighting			15,408	91,332	\$ 10,166	\$ 375	\$ 10,541	\$ 11,614	\$ 374	\$ 11,988	\$ 1,449	14.22%	\$ 1,386	13.73%	\$ 1,448	13.73%	30
32	Security Area Lighting-Contracts			82	300	\$ 22	\$ -	\$ 22	\$ 22	\$ -	\$ 22	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	31
33	Street Lighting-Contracts			6	144	\$ 17	\$ -	\$ 17	\$ 17	\$ -	\$ 17	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	32
34	AGA					\$ 5	\$ -	\$ 5	\$ 5	\$ -	\$ 5	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	33
35	Total Public Street Lighting (including contracts, AGA)			15,496	91,775	\$ 10,210	\$ 375	\$ 10,585	\$ 11,658	\$ 374	\$ 12,032	\$ 1,440	14.19%	\$ 1,376	13.68%	\$ 1,448	13.68%	34
36	Total Sales to Ultimate Customers			701,028	18,466,150	\$ 933,164	\$ 31,060	\$ 964,223	\$ 1,058,129	\$ 27,483	\$ 1,085,612	\$ 124,965	13.39%	\$ 67,677	12.59%	\$ 121,389	12.59%	35
37	Total Sales to Ultimate Customers (excluding contracts, AGA)			700,936	16,639,321	\$ 877,032	\$ 31,060	\$ 908,092	\$ 1,001,998	\$ 27,483	\$ 1,029,481	\$ 124,965	14.22%	\$ 67,510	13.37%	\$ 121,389	13.37%	36

<sup>1</sup> Includes OSP and Interdepartmental.

<sup>2</sup> Includes weather normalization and unbilled revenues.

\* Rounds to less than \$1,000.



PacifiCorp  
Exhibit UP&L \_\_\_\_\_(WRG-3)  
Docket No. 03-2035-02  
Witness: William R. Griffith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

PACIFICORP

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Exhibit Accompanying Direct Testimony of William R. Griffith  
Customer Impact Summaries for Proposed Tariff Revisions

September 2003

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 1**  
**Residential Service**

kWh	Summer				Winter			
	Monthly Billing <sup>1</sup>		Present Vs. Proposed		Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present	Proposed	Dollar Difference	Percent Difference	Present	Proposed	Dollar Difference	Percent Difference
	Schedule 1 Total \$	Schedule 1 Total \$			Schedule 1 Total \$	Schedule 1 Total \$		
0	\$3.66	\$3.66	\$0.00	0.00%	\$3.66	\$3.66	\$0.00	0.00%
50	\$4.36	\$4.69	\$0.33	7.57%	\$4.36	\$4.69	\$0.33	7.57%
100	\$7.63	\$8.29	\$0.66	8.65%	\$7.63	\$8.29	\$0.66	8.65%
150	\$10.89	\$11.88	\$0.99	9.09%	\$10.89	\$11.88	\$0.99	9.09%
200	\$14.16	\$15.47	\$1.31	9.25%	\$14.16	\$15.47	\$1.31	9.25%
300	\$20.69	\$22.66	\$1.97	9.52%	\$20.69	\$22.66	\$1.97	9.52%
400	\$27.22	\$29.84	\$2.62	9.63%	\$27.22	\$29.84	\$2.62	9.63%
500	\$34.56	\$37.92	\$3.36	9.72%	\$33.75	\$37.03	\$3.28	9.72%
600	\$41.90	\$46.00	\$4.10	9.79%	\$40.28	\$44.21	\$3.93	9.76%
700	\$49.24	\$54.08	\$4.84	9.83%	\$46.80	\$51.40	\$4.60	9.83%
800	\$56.58	\$62.16	\$5.58	9.86%	\$53.33	\$58.58	\$5.25	9.84%
900	\$63.92	\$70.24	\$6.32	9.89%	\$59.86	\$65.77	\$5.91	9.87%
1,000	\$71.26	\$78.31	\$7.05	9.89%	\$66.39	\$72.95	\$6.56	9.88%
1,100	\$78.60	\$88.56	\$9.96	12.67%	\$72.92	\$80.14	\$7.22	9.90%
1,200	\$85.94	\$98.81	\$12.87	14.98%	\$79.45	\$87.33	\$7.88	9.92%
1,300	\$93.29	\$109.06	\$15.77	16.90%	\$85.98	\$94.51	\$8.53	9.92%
1,400	\$100.63	\$119.31	\$18.68	18.56%	\$92.51	\$101.70	\$9.19	9.93%
1,500	\$107.97	\$129.56	\$21.59	20.00%	\$99.04	\$108.88	\$9.84	9.94%
2,000	\$144.67	\$180.81	\$36.14	24.98%	\$131.68	\$144.81	\$13.13	9.97%
3,000	\$218.08	\$283.31	\$65.23	29.91%	\$196.98	\$216.66	\$19.68	9.99%
4,000	\$291.49	\$385.81	\$94.32	32.36%	\$262.27	\$288.52	\$26.25	10.01%
5,000	\$364.90	\$488.31	\$123.41	33.82%	\$327.56	\$360.37	\$32.81	10.02%

<sup>1</sup> Includes HELP charge and applicable surcharge





**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 3**  
**Residential Service**

kWh	Summer				Winter			
	Monthly Billing <sup>1</sup>		Present Vs. Proposed		Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present Schedule 3 Total \$	Proposed Schedule 3 Total \$	Dollar Difference	Percent Difference	Present Schedule 3 Total \$	Proposed Schedule 3 Total \$	Dollar Difference	Percent Difference
0	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%
50	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%
100	\$0.00	\$0.17	\$0.17	0.00%	\$0.00	\$0.17	\$0.17	N/A
150	\$2.77	\$3.76	\$0.99	35.74%	\$2.77	\$3.76	\$0.99	35.74%
200	\$6.04	\$7.35	\$1.31	21.69%	\$6.04	\$7.35	\$1.31	21.69%
300	\$12.57	\$14.54	\$1.97	15.67%	\$12.57	\$14.54	\$1.97	15.67%
400	\$19.10	\$21.72	\$2.62	13.72%	\$19.10	\$21.72	\$2.62	13.72%
500	\$26.44	\$29.80	\$3.36	12.71%	\$25.63	\$28.91	\$3.28	12.80%
600	\$33.78	\$37.88	\$4.10	12.14%	\$32.16	\$36.09	\$3.93	12.22%
700	\$41.12	\$45.96	\$4.84	11.77%	\$38.68	\$43.28	\$4.60	11.89%
800	\$48.46	\$54.04	\$5.58	11.51%	\$45.21	\$50.46	\$5.25	11.61%
900	\$55.80	\$62.12	\$6.32	11.33%	\$51.74	\$57.65	\$5.91	11.42%
1,000	\$63.14	\$70.19	\$7.05	11.17%	\$58.27	\$64.83	\$6.56	11.26%
1,100	\$70.48	\$80.44	\$9.96	14.13%	\$64.80	\$72.02	\$7.22	11.14%
1,200	\$77.82	\$90.69	\$12.87	16.54%	\$71.33	\$79.21	\$7.88	11.05%
1,300	\$85.17	\$100.94	\$15.77	18.52%	\$77.86	\$86.39	\$8.53	10.96%
1,400	\$92.51	\$111.19	\$18.68	20.19%	\$84.39	\$93.58	\$9.19	10.89%
1,500	\$99.85	\$121.44	\$21.59	21.62%	\$90.92	\$100.76	\$9.84	10.82%
2,000	\$136.55	\$172.69	\$36.14	26.47%	\$123.56	\$136.69	\$13.13	10.63%
3,000	\$209.96	\$275.19	\$65.23	31.07%	\$188.86	\$208.54	\$19.68	10.42%
4,000	\$283.37	\$377.69	\$94.32	33.29%	\$254.15	\$280.40	\$26.25	10.33%
5,000	\$356.78	\$480.19	\$123.41	34.59%	\$319.44	\$352.25	\$32.81	10.27%

<sup>1</sup> Includes HELP credit and applicable surcharge

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 25  
Mobile Home and House Trailer Park Service**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 25 Total \$	Proposed Schedule 25 Total \$	Dollar Difference	Percent Difference
25	2,500	\$232.38	\$264.00	\$31.62	13.61%
	5,000	\$346.10	\$393.81	\$47.71	13.79%
	10,000	\$573.55	\$653.43	\$79.88	13.93%
50	5,000	\$455.88	\$519.11	\$63.23	13.87%
	10,000	\$683.32	\$778.73	\$95.41	13.96%
	20,000	\$1,138.22	\$1,297.97	\$159.75	14.04%
100	20,000	\$1,357.77	\$1,548.59	\$190.82	14.05%
	40,000	\$2,267.57	\$2,587.07	\$319.50	14.09%
	60,000	\$3,177.36	\$3,625.55	\$448.19	14.11%
200	40,000	\$2,706.66	\$3,088.30	\$381.64	14.10%
	80,000	\$4,526.25	\$5,165.26	\$639.01	14.12%
	120,000	\$6,345.84	\$7,242.21	\$896.37	14.13%
500	100,000	\$6,753.33	\$7,707.43	\$954.10	14.13%
	200,000	\$11,302.31	\$12,899.82	\$1,597.51	14.13%
	300,000	\$15,851.28	\$18,092.22	\$2,240.94	14.14%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 23**  
**General Service - Distribution Voltage**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 23 Total \$	Proposed Schedule 23 Total \$	Dollar Difference	Percent Difference
0 to 15	0	\$4.20	\$4.20	\$0.00	0.00%
	25	\$6.15	\$6.49	\$0.34	5.53%
	100	\$12.01	\$13.35	\$1.34	11.16%
	500	\$43.23	\$49.94	\$6.71	15.52%
	1,000	\$82.27	\$95.67	\$13.40	16.29%
	2,000	\$143.18	\$165.14	\$21.96	15.34%
20	5,000	\$303.40	\$341.36	\$37.96	12.51%
	7,500	\$412.83	\$459.98	\$47.15	11.42%
	10,000	\$522.25	\$578.60	\$56.35	10.79%
25	7,500	\$441.74	\$493.86	\$52.12	11.80%
	10,000	\$551.16	\$612.48	\$61.32	11.13%
	12,500	\$660.59	\$731.10	\$70.51	10.67%
30	10,000	\$580.08	\$646.35	\$66.27	11.42%
	12,500	\$689.50	\$764.98	\$75.48	10.95%
	15,000	\$798.92	\$883.60	\$84.68	10.60%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 6**  
**General Service - Distribution Voltage**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 6 Total \$	Proposed Schedule 6 Total \$	Dollar Difference	Percent Difference
50	5,000	\$583.39	\$675.75	\$92.36	15.83%
	10,000	\$726.97	\$832.44	\$105.47	14.51%
	20,000	\$1,014.13	\$1,145.82	\$131.69	12.99%
100	20,000	\$1,433.43	\$1,644.37	\$210.94	14.72%
	40,000	\$2,007.75	\$2,271.14	\$263.39	13.12%
	60,000	\$2,582.07	\$2,897.90	\$315.83	12.23%
200	40,000	\$2,846.34	\$3,268.24	\$421.90	14.82%
	80,000	\$3,994.99	\$4,521.77	\$526.78	13.19%
	120,000	\$5,143.63	\$5,775.30	\$631.67	12.28%
500	100,000	\$7,085.09	\$8,139.83	\$1,054.74	14.89%
	200,000	\$9,956.70	\$11,273.65	\$1,316.95	13.23%
	300,000	\$12,828.31	\$14,407.47	\$1,579.16	12.31%
1,000	200,000	\$14,149.66	\$16,259.16	\$2,109.50	14.91%
	400,000	\$19,892.89	\$22,526.80	\$2,633.91	13.24%
	600,000	\$25,636.11	\$28,794.44	\$3,158.33	12.32%
2,000	400,000	\$28,278.82	\$32,497.81	\$4,218.99	14.92%
	800,000	\$39,765.26	\$45,033.09	\$5,267.83	13.25%
	1,200,000	\$51,251.71	\$57,568.36	\$6,316.65	12.32%
4,000	800,000	\$56,537.12	\$64,975.11	\$8,437.99	14.92%
	1,600,000	\$79,510.02	\$90,045.66	\$10,535.64	13.25%
	2,400,000	\$102,482.91	\$115,116.22	\$12,633.31	12.33%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 9  
General Service - Transmission Voltage**

kW Load Size <sup>2</sup>	kWh	Summer			Present Vs. Proposed			Monthly Billing <sup>1</sup>			Winter			Present Vs. Proposed		
		Monthly Billing <sup>1</sup>			Present Vs. Proposed			Monthly Billing <sup>1</sup>			Monthly Billing <sup>1</sup>			Present Vs. Proposed		
		Present Schedule 9			Present Vs. Proposed			Present Schedule 9			Present Schedule 9			Present Vs. Proposed		
		Total \$	Dollar	Percent	Dollar	Difference	Percent	Total \$	Dollar	Percent	Total \$	Dollar	Percent	Dollar	Difference	Percent
500	182,500	\$7,239.92	\$1,310.26	18.10%	\$1,310.26		18.10%	\$7,239.92	\$8,473.01		\$8,473.01	\$1,233.09	17.03%	\$1,233.09		17.03%
	255,500	\$8,847.81	\$1,300.63	14.70%	\$1,300.63		14.70%	\$8,847.81	\$10,071.27		\$10,071.27	\$1,223.46	13.83%	\$1,223.46		13.83%
	328,500	\$10,455.70	\$1,291.00	12.35%	\$1,291.00		12.35%	\$10,455.70	\$11,669.53		\$11,669.53	\$1,213.83	11.61%	\$1,213.83		11.61%
1,000	365,000	\$14,375.29	\$2,620.53	18.23%	\$2,620.53		18.23%	\$14,375.29	\$16,841.49		\$16,841.49	\$2,466.20	17.16%	\$2,466.20		17.16%
	511,000	\$17,591.07	\$2,601.27	14.79%	\$2,601.27		14.79%	\$17,591.07	\$20,038.01		\$20,038.01	\$2,446.94	13.91%	\$2,446.94		13.91%
	657,000	\$20,806.85	\$2,582.01	12.41%	\$2,582.01		12.41%	\$20,806.85	\$23,234.52		\$23,234.52	\$2,427.67	11.67%	\$2,427.67		11.67%
2,000	730,000	\$28,646.05	\$5,241.05	18.30%	\$5,241.05		18.30%	\$28,646.05	\$33,578.43		\$33,578.43	\$4,932.38	17.22%	\$4,932.38		17.22%
	1,022,000	\$35,077.61	\$5,202.53	14.83%	\$5,202.53		14.83%	\$35,077.61	\$39,971.47		\$39,971.47	\$4,893.86	13.95%	\$4,893.86		13.95%
	1,314,000	\$41,509.17	\$5,164.01	12.44%	\$5,164.01		12.44%	\$41,509.17	\$46,364.51		\$46,364.51	\$4,855.34	11.70%	\$4,855.34		11.70%
4,000	1,460,000	\$57,187.55	\$10,482.12	18.33%	\$10,482.12		18.33%	\$57,187.55	\$67,052.33		\$67,052.33	\$9,864.78	17.25%	\$9,864.78		17.25%
	2,044,000	\$70,050.67	\$10,405.07	14.85%	\$10,405.07		14.85%	\$70,050.67	\$79,838.40		\$79,838.40	\$9,787.73	13.97%	\$9,787.73		13.97%
	2,628,000	\$82,913.79	\$10,328.03	12.46%	\$10,328.03		12.46%	\$82,913.79	\$92,624.48		\$92,624.48	\$9,710.69	11.71%	\$9,710.69		11.71%
6,000	2,190,000	\$85,729.06	\$15,723.17	18.34%	\$15,723.17		18.34%	\$85,729.06	\$100,526.22		\$100,526.22	\$14,797.16	17.26%	\$14,797.16		17.26%
	3,066,000	\$105,023.74	\$15,607.60	14.86%	\$15,607.60		14.86%	\$105,023.74	\$119,705.33		\$119,705.33	\$14,681.59	13.98%	\$14,681.59		13.98%
	3,942,000	\$124,318.42	\$15,492.03	12.46%	\$15,492.03		12.46%	\$124,318.42	\$138,884.44		\$138,884.44	\$14,566.02	11.72%	\$14,566.02		11.72%

<sup>1</sup> Includes HELP charge and applicable surcharge

<sup>2</sup> Assumes monthly peak occurs during On-Peak hours

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 10  
Agricultural Pumping**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 10		Proposed Schedule 10	
		Total \$	Total \$	Dollar Difference	Percent Difference
5	0	\$32.31	\$34.61	\$2.30	7.12%
	25	\$33.40	\$35.82	\$2.42	7.25%
	100	\$36.66	\$39.42	\$2.76	7.53%
	500	\$54.07	\$58.64	\$4.57	8.45%
	1,000	\$75.84	\$82.67	\$6.83	9.01%
	2,000	\$119.37	\$130.72	\$11.35	9.51%
10	1,000	\$97.70	\$106.83	\$9.13	9.34%
	2,000	\$141.23	\$154.88	\$13.65	9.67%
	4,000	\$228.29	\$250.99	\$22.70	9.94%
15	1,500	\$141.32	\$155.02	\$13.70	9.69%
	3,000	\$206.62	\$227.10	\$20.48	9.91%
	6,000	\$337.21	\$371.25	\$34.04	10.09%
20	2,000	\$184.94	\$203.21	\$18.27	9.88%
	4,000	\$272.01	\$299.32	\$27.31	10.04%
	8,000	\$446.13	\$491.52	\$45.39	10.17%
25	2,500	\$228.57	\$251.40	\$22.83	9.99%
	5,000	\$337.40	\$371.53	\$34.13	10.12%
	10,000	\$555.05	\$611.79	\$56.74	10.22%
<hr/>					
		Annual Charge			
		Present Schedule 10	Proposed Schedule 10	Difference	Percent Difference
Primary Customers		\$78.63	\$78.63	\$0.00	0.00%
Secondary Customers		\$24.57	\$24.57	\$0.00	0.00%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 10 - Time-of-Day Option**  
**Agricultural Pumping**

kW Load Size	kWh <sup>2</sup>	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 10	Proposed Schedule 10	Dollar	Percent
		Total \$	Total \$	Difference	Difference
5	0	\$32.31	\$34.61	\$2.30	7.12%
	25	\$33.16	\$35.56	\$2.40	7.24%
	100	\$35.74	\$38.40	\$2.66	7.44%
	500	\$49.46	\$53.54	\$4.08	8.25%
	1,000	\$66.60	\$72.47	\$5.87	8.81%
	2,000	\$100.90	\$110.32	\$9.42	9.34%
10	1,000	\$88.46	\$96.63	\$8.17	9.24%
	2,000	\$122.76	\$134.49	\$11.73	9.56%
	4,000	\$191.35	\$210.19	\$18.84	9.85%
15	1,500	\$127.47	\$139.72	\$12.25	9.61%
	3,000	\$178.91	\$196.51	\$17.60	9.84%
	6,000	\$281.80	\$310.07	\$28.27	10.03%
20	2,000	\$166.47	\$182.82	\$16.35	9.82%
	4,000	\$235.06	\$258.52	\$23.46	9.98%
	8,000	\$372.25	\$409.94	\$37.69	10.12%
25	2,500	\$205.48	\$225.91	\$20.43	9.94%
	5,000	\$291.22	\$320.54	\$29.32	10.07%
	10,000	\$462.70	\$509.81	\$47.11	10.18%

Annual Charge

	Present Schedule 10	Proposed Schedule 10	Difference	Percent Difference
Primary Customers	\$78.63	\$78.63	\$0.00	0.00%
Secondary Customers	\$24.57	\$24.57	\$0.00	0.00%

<sup>1</sup> Includes HELP charge and applicable surcharge  
<sup>2</sup> Assumes 15% On-Peak kWh



**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 21 - Primary Delivery  
Electric Furnace Operation**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 21	Proposed Schedule 6	Dollar	Percent
		Total \$	Total \$	Difference	Difference
50	2,500	\$372.16	\$409.54	\$37.38	10.04%
	5,000	\$495.83	\$549.98	\$54.15	10.92%
	10,000	\$743.16	\$830.87	\$87.71	11.80%
100	5,000	\$651.18	\$725.94	\$74.76	11.48%
	10,000	\$898.51	\$1,006.82	\$108.31	12.05%
	20,000	\$1,393.17	\$1,568.59	\$175.42	12.59%
200	10,000	\$1,209.22	\$1,358.73	\$149.51	12.36%
	20,000	\$1,703.88	\$1,920.50	\$216.62	12.71%
	40,000	\$2,693.20	\$3,044.04	\$350.84	13.03%
500	25,000	\$2,883.34	\$3,257.12	\$373.78	12.96%
	50,000	\$4,119.99	\$4,661.55	\$541.56	13.14%
	100,000	\$6,593.30	\$7,470.39	\$877.09	13.30%
1,000	50,000	\$5,673.54	\$6,421.11	\$747.57	13.18%
	100,000	\$8,146.85	\$9,229.95	\$1,083.10	13.29%
	200,000	\$12,300.42	\$13,947.12	\$1,646.70	13.39%
1,500	75,000	\$8,463.75	\$9,585.09	\$1,121.34	13.25%
	150,000	\$11,777.18	\$13,348.10	\$1,570.92	13.34%
	300,000	\$18,007.54	\$20,423.85	\$2,416.31	13.42%
2,000	100,000	\$11,253.95	\$12,749.07	\$1,495.12	13.29%
	200,000	\$15,407.52	\$17,466.24	\$2,058.72	13.36%
	400,000	\$23,714.66	\$26,900.58	\$3,185.92	13.43%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 21 - Transmission Delivery**  
**Electric Furnace Operation**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
		Present Schedule 21 Total \$	Proposed Schedule 9 Total \$	Dollar Difference	Percent Difference
50	2,500	\$345.79	\$379.59	\$33.80	9.77%
	5,000	\$443.08	\$490.09	\$47.01	10.61%
	10,000	\$637.67	\$711.08	\$73.41	11.51%
100	5,000	\$598.44	\$666.04	\$67.60	11.30%
	10,000	\$793.02	\$887.04	\$94.02	11.86%
	20,000	\$1,182.20	\$1,329.02	\$146.82	12.42%
200	10,000	\$1,103.73	\$1,238.95	\$135.22	12.25%
	20,000	\$1,492.91	\$1,680.93	\$188.02	12.59%
	40,000	\$2,271.26	\$2,564.90	\$293.64	12.93%
500	25,000	\$2,619.63	\$2,957.66	\$338.03	12.90%
	50,000	\$3,592.56	\$4,062.62	\$470.06	13.08%
	100,000	\$5,538.44	\$6,272.55	\$734.11	13.25%
1,000	50,000	\$5,146.11	\$5,822.18	\$676.07	13.14%
	100,000	\$7,091.99	\$8,032.11	\$940.12	13.26%
	200,000	\$10,524.19	\$11,930.18	\$1,405.99	13.36%
1,500	75,000	\$7,672.60	\$8,686.71	\$1,014.11	13.22%
	150,000	\$10,361.64	\$11,740.70	\$1,379.06	13.31%
	300,000	\$15,509.95	\$17,587.81	\$2,077.86	13.40%
2,000	100,000	\$10,199.09	\$11,551.23	\$1,352.14	13.26%
	200,000	\$13,631.29	\$15,449.30	\$1,818.01	13.34%
	400,000	\$20,495.71	\$23,245.44	\$2,749.73	13.42%

<sup>1</sup> Includes HELP charge and applicable surcharge

Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 7  
Security Area Lighting

Nominal Lumen Rating	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present Schedule 7	Proposed Schedule 7	Dollar Difference	Percent Difference
Mercury Vapor Lamps				
4,000 Energy Only	\$4.12	\$4.68	\$0.56	13.59%
7,000	\$11.77	\$13.38	\$1.61	13.68%
7,000 Energy Only	\$5.82	\$6.61	\$0.79	13.57%
20,000	\$19.20	\$21.84	\$2.64	13.75%
Company-Owned Pole				
Sodium Vapor Lamps				
5,600	\$10.48	\$11.92	\$1.44	13.74%
9,500	\$11.13	\$12.65	\$1.52	13.66%
16,000	\$13.96	\$15.88	\$1.92	13.75%
22,000	\$15.11	\$17.17	\$2.06	13.63%
27,500	\$16.87	\$19.19	\$2.32	13.75%
50,000	\$20.29	\$23.06	\$2.77	13.65%
Sodium Vapor Flood Lamps				
16,000	\$13.96	\$15.88	\$1.92	13.75%
27,500	\$16.87	\$19.19	\$2.32	13.75%
50,000	\$20.29	\$23.06	\$2.77	13.65%
Metal Halide				
12,000	\$21.09	\$23.97	\$2.88	13.66%
19,500	\$24.62	\$27.99	\$3.37	13.69%
32,000	\$26.30	\$29.91	\$3.61	13.73%
107,000	\$41.24	\$46.90	\$5.66	13.72%

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 7  
Security Area Lighting**

<u>Nominal Lumen Rating</u>	<u>Monthly Billing<sup>1</sup></u>		<u>Present Vs. Proposed</u>	
	<u>Present Schedule 7</u>	<u>Proposed Schedule 7</u>	<u>Dollar Difference</u>	<u>Percent Difference</u>
No Company-Owned Pole				
Sodium Vapor Lamps				
5,600	\$8.80	\$10.00	\$1.20	13.64%
9,500	\$9.57	\$10.89	\$1.32	13.79%
16,000	\$12.31	\$13.99	\$1.68	13.65%
27,500	\$15.23	\$17.31	\$2.08	13.66%
50,000	\$18.65	\$21.21	\$2.56	13.73%
Sodium Vapor Flood Lamps				
16,000	\$12.31	\$13.99	\$1.68	13.65%
27,500	\$15.23	\$17.31	\$2.08	13.66%
50,000	\$18.65	\$21.21	\$2.56	13.73%
Metal Halide				
12,000	\$15.64	\$17.78	\$2.14	13.68%
19,500	\$19.67	\$22.36	\$2.69	13.68%
32,000	\$21.31	\$24.23	\$2.92	13.70%
107,000	\$36.12	\$41.06	\$4.94	13.68%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 11**  
**Street Lighting - Company Owned Overhead System**

Nominal Lumen Rating	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present Schedule 11	Proposed Schedule 11	Dollar Difference	Percent Difference
<b>Incandescent Lamps</b>				
500	\$9.00	\$10.15	\$1.15	12.78%
1,000	\$10.61	\$11.96	\$1.35	12.72%
2,500	\$12.67	\$14.29	\$1.62	12.79%
4,000	\$15.05	\$17.00	\$1.95	12.96%
6,000	\$17.48	\$19.75	\$2.27	12.99%
10,000	\$22.97	\$25.96	\$2.99	13.02%
<b>Mercury Vapor Lamps</b>				
4,000	\$8.35	\$9.40	\$1.05	12.57%
7,000	\$10.28	\$11.59	\$1.31	12.74%
10,000	\$14.31	\$16.16	\$1.85	12.93%
20,000	\$17.93	\$20.26	\$2.33	12.99%
<b>Sodium Vapor Lamps</b>				
5,600	\$8.87	\$9.99	\$1.12	12.63%
9,500	\$9.57	\$10.79	\$1.22	12.75%
16,000	\$12.54	\$14.15	\$1.61	12.84%
27,500	\$15.57	\$17.57	\$2.00	12.85%
50,000	\$19.06	\$21.55	\$2.49	13.06%
125,000	\$37.36	\$42.26	\$4.90	13.12%
<b>Flourescent Lamps</b>				
21,000	\$20.37	\$23.02	\$2.65	13.01%
21,800	\$19.57	\$22.11	\$2.54	12.98%
43,600	\$30.33	\$34.30	\$3.97	13.09%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 12**  
**Street Lighting, Traffic and Other Signal System Service -**  
**Customer Owned System**

Nominal Lumen Rating	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present Schedule 12	Proposed Schedule 12	Dollar Difference	Percent Difference
<i>Partial Maintenance Street Lighting</i>				
Incandescent Lamps				
2,500 or less	\$6.66	\$7.47	\$0.81	12.16%
4,000	\$8.98	\$10.08	\$1.10	12.25%
6,000	\$11.33	\$12.71	\$1.38	12.18%
10,000	\$14.92	\$16.76	\$1.84	12.33%
Mercury Vapor Lamps				
4,000	\$3.54	\$3.96	\$0.42	11.86%
7,000	\$5.25	\$5.88	\$0.63	12.00%
10,000	\$6.74	\$7.56	\$0.82	12.17%
20,000	\$9.80	\$10.99	\$1.19	12.14%
37,000	\$16.76	\$18.83	\$2.07	12.35%
54,000	\$20.62	\$23.17	\$2.55	12.37%
Sodium Vapor Lamps				
5,600	\$3.14	\$3.51	\$0.37	11.78%
9,500	\$4.07	\$4.55	\$0.48	11.79%
16,000	\$4.90	\$5.49	\$0.59	12.04%
22,000	\$6.15	\$6.89	\$0.74	12.03%
27,500	\$7.10	\$7.96	\$0.86	12.11%
50,000	\$10.27	\$11.53	\$1.26	12.27%
Metal Halide Lamps				
12,000	\$9.97	\$11.19	\$1.22	12.24%
19,500	\$10.07	\$11.29	\$1.22	12.12%
32,000	\$10.70	\$12.00	\$1.30	12.15%
107,000	\$20.96	\$23.55	\$2.59	12.36%
Fluorescent Lamps				
21,000	\$10.64	\$11.95	\$1.31	12.31%
21,800	\$10.21	\$11.46	\$1.25	12.24%
43,600	\$16.26	\$18.26	\$2.00	12.30%
<i>Special Burning-Hour Service</i>				
Sodium Vapor Lamps				
Dawn to Dawn				
5,600	\$6.52	\$7.31	\$0.79	12.12%
50,000	\$26.44	\$29.71	\$3.27	12.37%
Dawn to Dusk				
50,000	\$18.53	\$20.82	\$2.29	12.36%
Dusk to Midnight				
85% of dusk to dawn service				

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company**  
**Monthly Billing Comparison**  
**Schedule 12**  
**Street Lighting, Traffic and Other Signal System Service -**  
**Customer Owned System**

Nominal Lumen Rating	Monthly Billing <sup>1</sup>		Present Vs. Proposed	
	Present Schedule 12	Proposed Schedule 12	Dollar Difference	Percent Difference
<i>Full Maintenance Street Lighting</i>				
Incandescent Lamps				
2,500 or less	\$7.62	\$8.55	\$0.93	12.20%
4,000	\$10.27	\$11.53	\$1.26	12.27%
6,000	\$12.95	\$14.54	\$1.59	12.28%
10,000	\$17.04	\$19.15	\$2.11	12.38%
Mercury Vapor Lamps				
4,000	\$4.04	\$4.52	\$0.48	11.88%
7,000	\$5.99	\$6.70	\$0.71	11.85%
10,000	\$7.72	\$8.65	\$0.93	12.05%
20,000	\$11.21	\$12.59	\$1.38	12.31%
37,000	\$18.07	\$20.29	\$2.22	12.29%
54,000	\$23.57	\$26.49	\$2.92	12.39%
Sodium Vapor Lamps				
5,600	\$3.56	\$3.98	\$0.42	11.80%
9,500	\$4.64	\$5.19	\$0.55	11.85%
16,000	\$5.59	\$6.26	\$0.67	11.99%
22,000	\$7.00	\$7.85	\$0.85	12.14%
27,500	\$8.12	\$9.11	\$0.99	12.19%
50,000	\$11.73	\$13.17	\$1.44	12.28%
Metal Halide Lamps				
12,000	\$11.41	\$12.81	\$1.40	12.27%
19,500	\$11.52	\$12.94	\$1.42	12.33%
32,000	\$12.24	\$13.74	\$1.50	12.25%
107,000	\$23.97	\$26.93	\$2.96	12.35%
Fluorescent Lamps				
21,000	\$12.18	\$13.67	\$1.49	12.23%
21,800	\$11.68	\$13.11	\$1.43	12.24%
43,600	\$18.58	\$20.88	\$2.30	12.38%

*Special Burning-Hour Service*

Dusk to Midnight

90% of dusk to dawn service

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 12 - Option 2  
Traffic Signal Systems**

<u>kWh</u>	<u>Monthly Billing<sup>1</sup></u>		<u>Present Vs. Proposed</u>	
	<u>Present Schedule 12 Total \$</u>	<u>Proposed Schedule 12 Total \$</u>	<u>Dollar Difference</u>	<u>Percent Difference</u>
0	\$3.49	\$3.49	\$0.00	0.00%
50	\$6.16	\$6.52	\$0.36	5.84%
100	\$8.83	\$9.54	\$0.71	8.04%
150	\$11.51	\$12.57	\$1.06	9.21%
200	\$14.18	\$15.60	\$1.42	10.01%
300	\$19.52	\$21.65	\$2.13	10.91%
400	\$24.87	\$27.70	\$2.83	11.38%
500	\$30.21	\$33.76	\$3.55	11.75%
600	\$35.56	\$39.81	\$4.25	11.95%
700	\$40.90	\$45.87	\$4.97	12.15%
800	\$46.25	\$51.92	\$5.67	12.26%
900	\$51.59	\$57.97	\$6.38	12.37%
1,000	\$56.94	\$64.03	\$7.09	12.45%
1,100	\$62.28	\$70.08	\$7.80	12.52%
1,200	\$67.63	\$76.13	\$8.50	12.57%
1,300	\$72.97	\$82.19	\$9.22	12.64%
1,400	\$78.32	\$88.24	\$9.92	12.67%
1,500	\$83.66	\$94.29	\$10.63	12.71%
1,600	\$89.01	\$100.35	\$11.34	12.74%
2,000	\$110.39	\$124.56	\$14.17	12.84%
3,000	\$163.84	\$185.10	\$21.26	12.98%
5,000	\$270.74	\$306.17	\$35.43	13.09%

<sup>1</sup> Includes HELP charge and applicable surcharge



**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 12 - Option 3  
Metered Outdoor Nighttime Lighting**

kW Load Size	kWh	Monthly Billing <sup>1</sup>		Present Vs. Proposed		Annual Charge		Present Vs. Proposed	
		Present Schedule 12	Proposed Schedule 12	Dollar Difference	Percent Difference	Present Schedule 12	Proposed Schedule 12	Dollar Difference	Percent Difference
		Total \$	Total \$						
5	0	\$5.95	\$5.95	\$0.00	0.00%	\$117.65	\$117.65	\$0.00	0.00%
	25	\$7.25	\$7.49	\$0.24	3.31%	\$117.65	\$117.65	\$0.00	0.00%
	100	\$11.15	\$12.12	\$0.97	8.70%	\$117.65	\$117.65	\$0.00	0.00%
	500	\$31.94	\$36.80	\$4.86	15.22%	\$117.65	\$117.65	\$0.00	0.00%
	1,000	\$57.93	\$67.65	\$9.72	16.78%	\$117.65	\$117.65	\$0.00	0.00%
	2,000	\$109.91	\$129.35	\$19.44	17.69%	\$117.65	\$117.65	\$0.00	0.00%
10	1,000	\$57.93	\$67.65	\$9.72	16.78%	\$168.20	\$168.20	\$0.00	0.00%
	2,000	\$109.91	\$129.35	\$19.44	17.69%	\$168.20	\$168.20	\$0.00	0.00%
	4,000	\$213.86	\$252.75	\$38.89	18.18%	\$168.20	\$168.20	\$0.00	0.00%
15	1,500	\$83.92	\$98.50	\$14.58	17.37%	\$218.75	\$218.75	\$0.00	0.00%
	3,000	\$161.88	\$191.05	\$29.17	18.02%	\$218.75	\$218.75	\$0.00	0.00%
	6,000	\$317.82	\$376.15	\$58.33	18.35%	\$218.75	\$218.75	\$0.00	0.00%
20	2,000	\$109.91	\$129.35	\$19.44	17.69%	\$269.30	\$269.30	\$0.00	0.00%
	4,000	\$213.86	\$252.75	\$38.89	18.18%	\$269.30	\$269.30	\$0.00	0.00%
	8,000	\$421.77	\$499.54	\$77.77	18.44%	\$269.30	\$269.30	\$0.00	0.00%
25	2,500	\$135.89	\$160.20	\$24.31	17.89%	\$319.85	\$319.85	\$0.00	0.00%
	5,000	\$265.84	\$314.45	\$48.61	18.29%	\$319.85	\$319.85	\$0.00	0.00%
	10,000	\$525.73	\$622.94	\$97.21	18.49%	\$319.85	\$319.85	\$0.00	0.00%

<sup>1</sup> Includes HELP charge and applicable surcharge

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 13  
Decorative Street Lighting**

<u>Nominal Lumen Rating</u>	<u>Monthly Billing<sup>1</sup></u>		<u>Present Vs. Proposed</u>	
	<u>Present Schedule 13</u>	<u>Proposed Schedule 13</u>	<u>Dollar Difference</u>	<u>Percent Difference</u>
<b>Series 1</b>				
<i>Energy Only</i>				
Sodium Vapor Lamps				
9,500	\$2.21	\$2.42	\$0.21	9.50%
16,000	\$3.05	\$3.35	\$0.30	9.84%
27,500	\$5.12	\$5.65	\$0.53	10.35%
50,000	\$7.65	\$8.47	\$0.82	10.72%
Metal Halide Lamps				
9,000	\$2.24	\$2.45	\$0.21	9.38%
12,000	\$3.62	\$3.99	\$0.37	10.22%
19,500	\$4.86	\$5.37	\$0.51	10.49%
32,000	\$7.46	\$8.26	\$0.80	10.72%
<i>Energy and Maintenance</i>				
Sodium Vapor Lamps				
9,500	\$5.44	\$6.02	\$0.58	10.66%
16,000	\$6.38	\$7.07	\$0.69	10.82%
27,500	\$9.02	\$10.00	\$0.98	10.86%
50,000	\$11.64	\$12.92	\$1.28	11.00%
Metal Halide Lamps				
9,000	\$7.04	\$7.79	\$0.75	10.65%
12,000	\$8.41	\$9.32	\$0.91	10.82%
19,500	\$10.61	\$11.76	\$1.15	10.84%
32,000	\$11.81	\$13.10	\$1.29	10.92%
<i>Full Service</i>				
Sodium Vapor Lamps				
9,500	\$34.06	\$37.89	\$3.83	11.24%
16,000	\$35.01	\$38.94	\$3.93	11.23%
27,500	\$37.65	\$41.89	\$4.24	11.26%
50,000	\$40.27	\$44.81	\$4.54	11.27%
Metal Halide Lamps				
9,000	\$35.66	\$39.68	\$4.02	11.27%
12,000	\$37.04	\$41.20	\$4.16	11.23%
19,500	\$39.23	\$43.65	\$4.42	11.27%
32,000	\$40.43	\$44.99	\$4.56	11.28%

<sup>1</sup> Includes HELP charge

**Utah Power & Light Company  
Monthly Billing Comparison  
Schedule 13  
Decorative Street Lighting**

			Present Vs. Proposed	
Nominal Lumen Rating	Monthly Billing <sup>1</sup>		Dollar Difference	Percent Difference
	Present Schedule 13	Proposed Schedule 13		
Series 2				
Energy Only				
Sodium Vapor Lamps				
9,500	\$2.21	\$2.42	\$0.21	9.50%
16,000	\$3.05	\$3.35	\$0.30	9.84%
27,500	\$5.12	\$5.65	\$0.53	10.35%
50,000	\$7.65	\$8.47	\$0.82	10.72%
Metal Halide Lamps				
9,000	\$2.24	\$2.45	\$0.21	9.38%
12,000	\$3.62	\$3.99	\$0.37	10.22%
19,500	\$4.86	\$5.37	\$0.51	10.49%
32,000	\$7.46	\$8.26	\$0.80	10.72%
Energy and Maintenance				
Sodium Vapor Lamps				
9,500	\$5.44	\$6.02	\$0.58	10.66%
16,000	\$6.38	\$7.07	\$0.69	10.82%
27,500	\$9.02	\$10.00	\$0.98	10.86%
50,000	\$11.64	\$12.92	\$1.28	11.00%
Metal Halide Lamps				
9,000	\$7.04	\$7.79	\$0.75	10.65%
12,000	\$8.41	\$9.32	\$0.91	10.82%
19,500	\$10.61	\$11.76	\$1.15	10.84%
32,000	\$11.81	\$13.10	\$1.29	10.92%
Full Service				
Sodium Vapor Lamps				
9,500	\$27.93	\$31.06	\$3.13	11.21%
16,000	\$28.87	\$32.11	\$3.24	11.22%
27,500	\$31.52	\$35.06	\$3.54	11.23%
50,000	\$34.14	\$37.98	\$3.84	11.25%
Metal Halide Lamps				
9,000	\$29.53	\$32.84	\$3.31	11.21%
12,000	\$30.91	\$34.38	\$3.47	11.23%
19,500	\$33.10	\$36.82	\$3.72	11.24%
32,000	\$34.30	\$38.16	\$3.86	11.25%

<sup>1</sup> Includes HELP charge and applicable surcharge